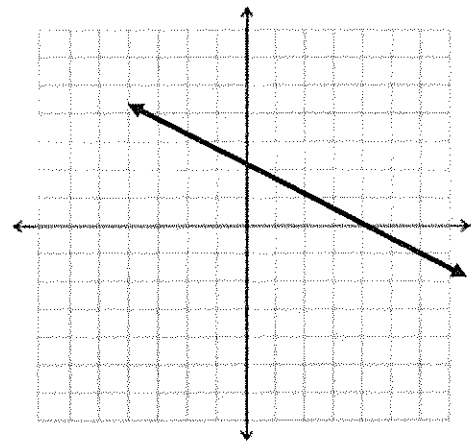


Progress Assessment

Circle the letter of the best answer.

- The cost of having your car towed is \$45 to hook up the car and then \$3.50 per mile towed. Which equation models this scenario?
 - $y = 40x + 3.50$
 - $y = 3.50x + 45$
 - $y = 48.50x$
 - $x + y = 48.50$
- A store is giving away 150 gift cards each valued at \$20 for every hour that the store is open. What equation models this scenario?
 - $y = -20x + 3000$
 - $y = -x + 150$
 - either a or b
 - neither a nor b

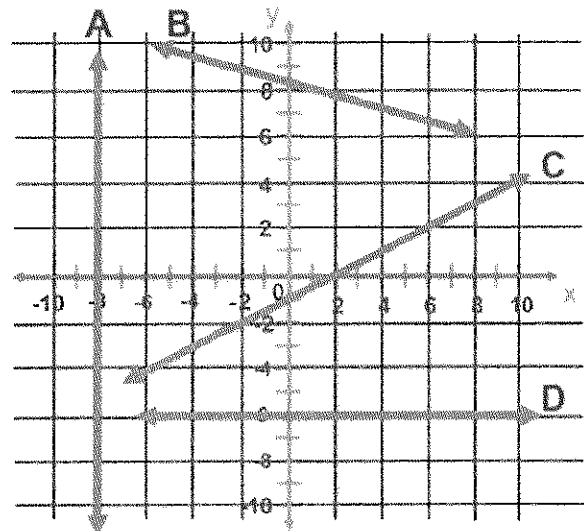
- What is the equation of this line in slope-intercept form?
 - $y = -\frac{1}{2}x + 2$
 - $y = -\frac{1}{2}x + 1$
 - $y = \frac{1}{2}x + 2$
 - $y = \frac{1}{2}x + 1$



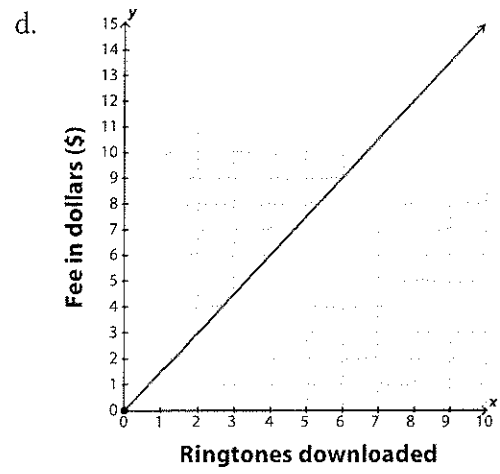
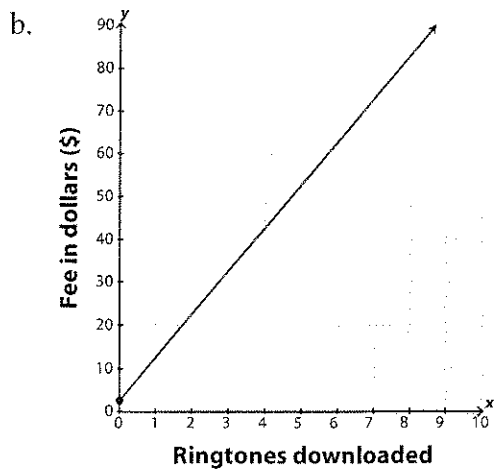
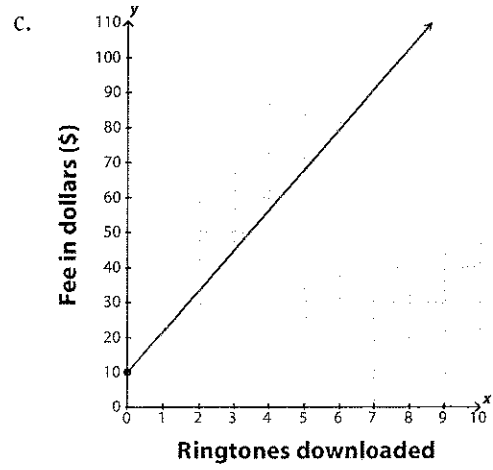
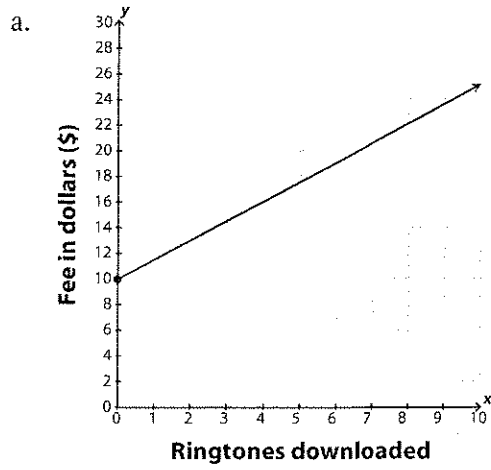
- Which line above has a slope of zero?
 - Line A
 - Line B
 - Line C
 - Line D

- Which line above has an undefined slope?
 - Line A
 - Line B
 - Line C
 - Line D

- Which line has a positive slope?
 - Line A
 - Line B
 - Line C
 - Line D

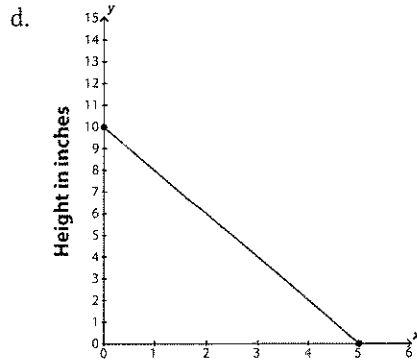
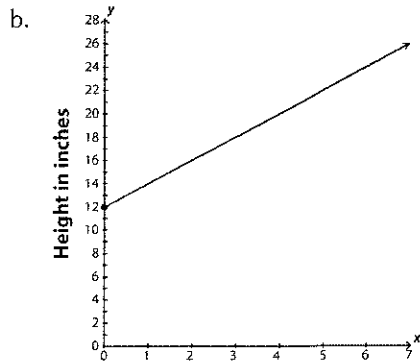
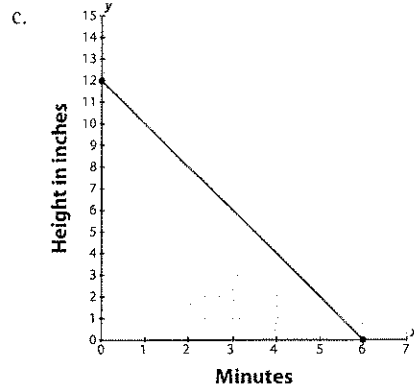
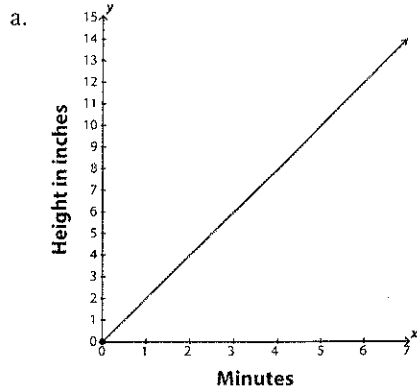


7. A ringtone company charges \$10 a month for the service plus \$1.50 for each ringtone downloaded. What is the graph of the equation that models the total fees?



A 12-inch candle burns at a rate of 2 inches per hour. What is the graph of the equation that models the height of the candle over time?

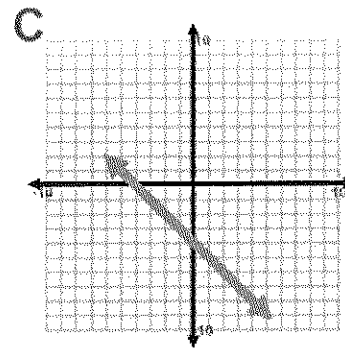
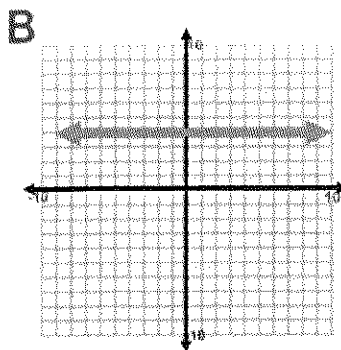
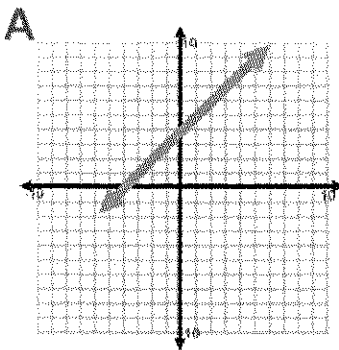
8.



9. What is the equation of the line in point-slope form containing the points (4, -1) and (10, 0)?

- a. $y - 1 = 1/6(x - 4)$
- b. $y = 1/6(x - 10)$
- c. $y = 1/6x - 5/3$
- d. $y + 0 = -1/6(x + 10)$

10. Which graph shows the equation $y = x + 4$?



11. The line $y = -7$ is:

- a. Horizontal
- b. Vertical
- c. Neither
- d. Cannot be determined

12. The line $x = 5$ is:

- a. Horizontal
- b. Vertical
- c. Neither
- d. Cannot be determined

13. Which equation is written in slope-intercept form?

- a. $y - 4 = 3(x - 5)$
- b. $y - 4 = 3x - 5$
- c. $3x - y = -11$
- d. $y = 3x - 11$

14. Which equation is written in point-slope form?

- a. $y - 2 = 9(x + 2)$
- b. $y - 2 = 9x + 2$
- c. $9x - y = -20$
- d. $y = 9x - 20$

Constructed Response. Show all work.

15. You start a lawn mowing service. You pay \$75 for the lawn mower and plan on charging \$25 per lawn. Write an equation to relate your income y to the number of lawns you mow x .

16. A line has an x -intercept of 4 and y -intercept of 7.

- a. What is the slope of this line?
- b. Write an equation in slope intercept form for the line.
- c. Write an equation in point-slope form.